DNA protein RNA

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THE MICHAEL SMITH LABS PRESENT OUR MOLECULAR BIOLOGY WORKSHOP 2012 Winter/Spring Session.

University of British Columbia, Vancouver, Canada.

ONE WEEK VERSION - MOLECULAR BIOLOGY WORKSHOP

February 13th to February 17th, 2012 (CAN$1400)

DESCRIPTION: This intense 5 day workshop will focus on a myriad of different techniques used in the molecular manipulation of DNA, RNA and protein, as well as inclusion of exercises in some basic bioinformatics tools. Primarily aimed at researchers who are new to the area, familiar but require a quick updating, or would like more practical bench training.

Hands on techniques covered include: *Various nucleic acid purification methodologies (silica bead, organic, and/or pI based), restriction digests, ligations, dephosphorylation assays, agarose gel electrophoresis, transformation (including electroporation), PCR, reverse transcriptase assay, real time qPCR, basic bioinformatics, (including blast tools), SDS-PAGE, Western blot analysis, Isoelectric focusing strips, and 2D protein gels*.

To register or inquire about the workshop, please contact Dr. David Ng at db@interchange.ubc.ca or 604-822-6264. More information can be found at bioteach.ubc.ca

REVIEWS FROM SUMMER 2011 MOLECULAR TECHNIQUES WORKSHOP:

"Great Course! Good introduction to working with DNA, RNA and proteins. Excellent balance of lecture and hands-on exercises."
Dr. Kiran Soma, Psychology (Behavioural Neuroscience), University of British Columbia

"Excellent review of the pertinent techniques. Easy way to conceptualize my readings and correlate with clinical use. Dr. Ng is extremely knowledgable, entertaining, and provides useful tips on how to use techniques in real-life situations."
Dr. Edward Lum, M.D., Vancouver

"Overall, the amount of material covered was impressive for this course. The level was very good for both beginners and advanced level students."
Dr.Pavel Gershkovich, Pharmaceutical Sciences, University of British Columbia